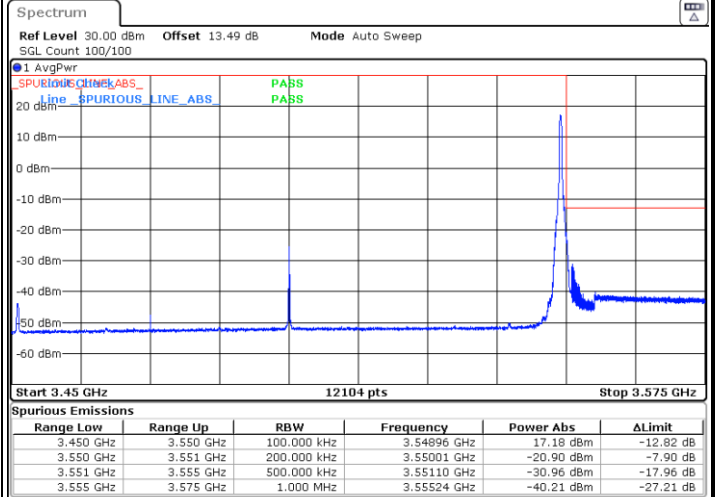
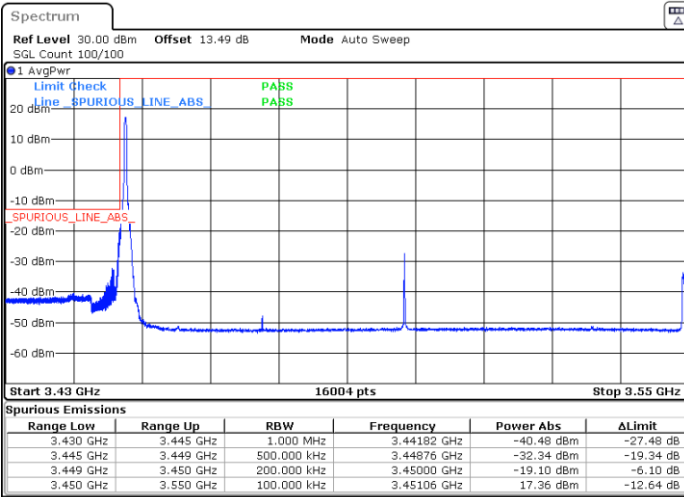




FR1 n78 / 100MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

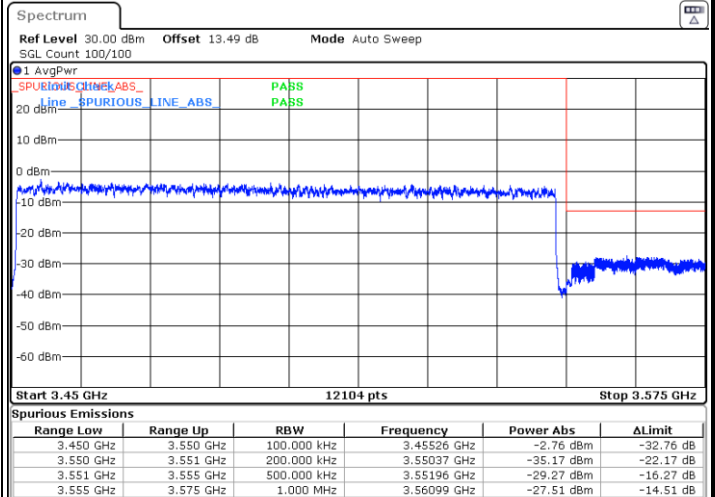
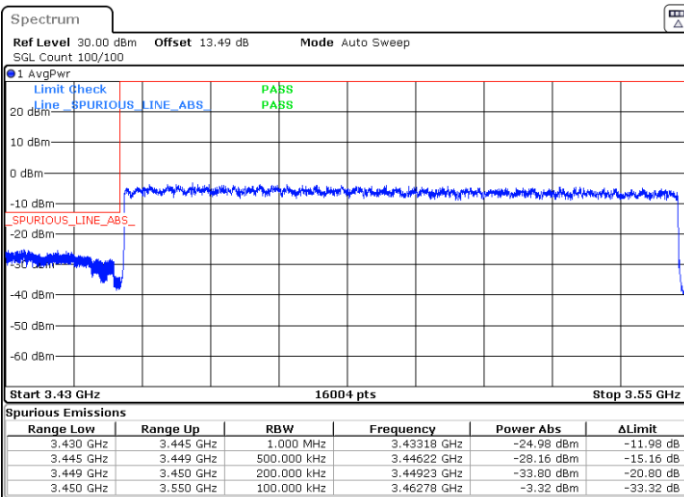


Date: 9 JUN.2022 09:18:46

Date: 9 JUN.2022 09:24:25

Lowest Band Edge / Full RB

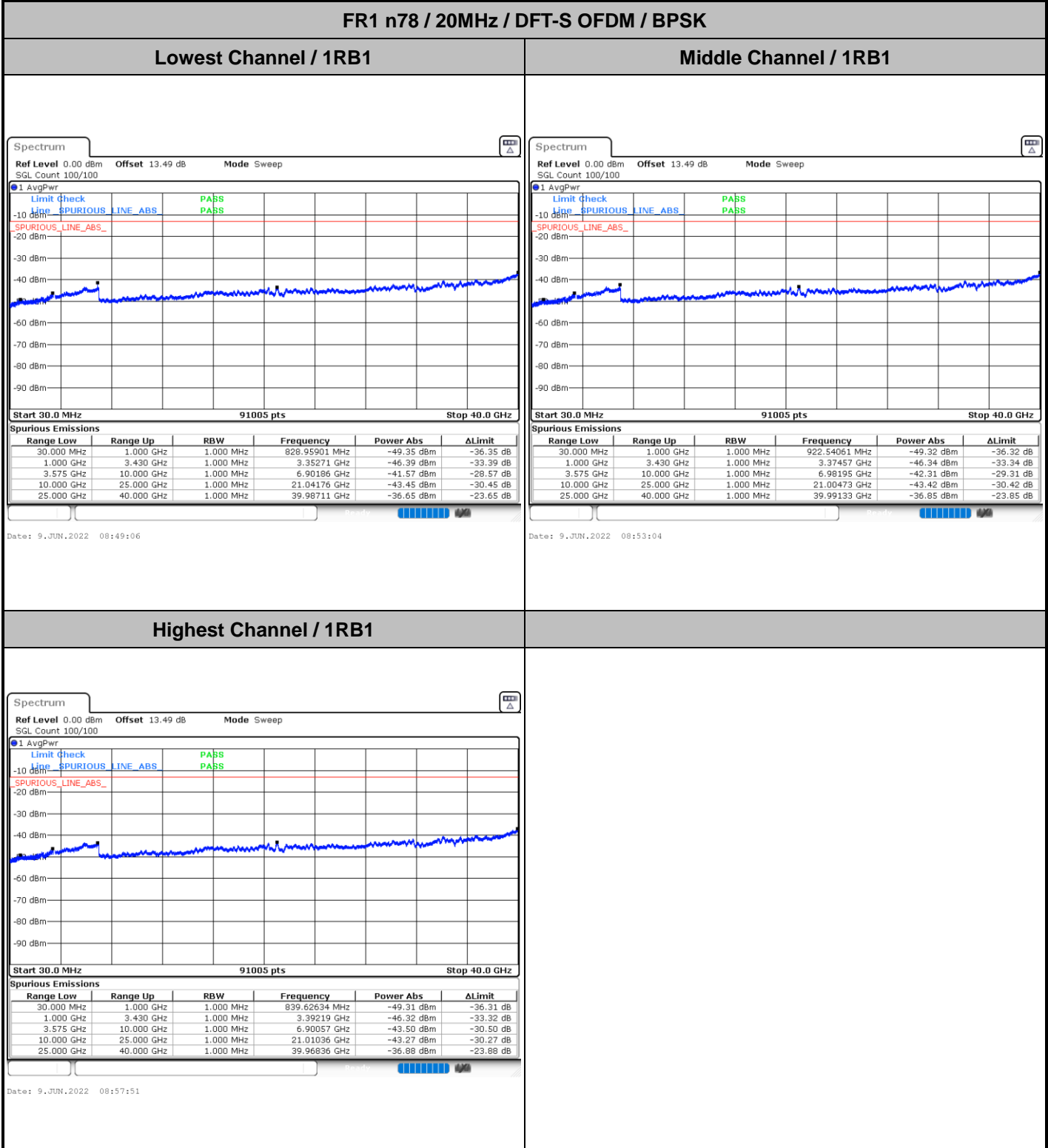
Highest Band Edge / Full RB



Date: 9 JUN.2022 09:20:18

Date: 9 JUN.2022 09:26:15

Conducted Spurious Emission

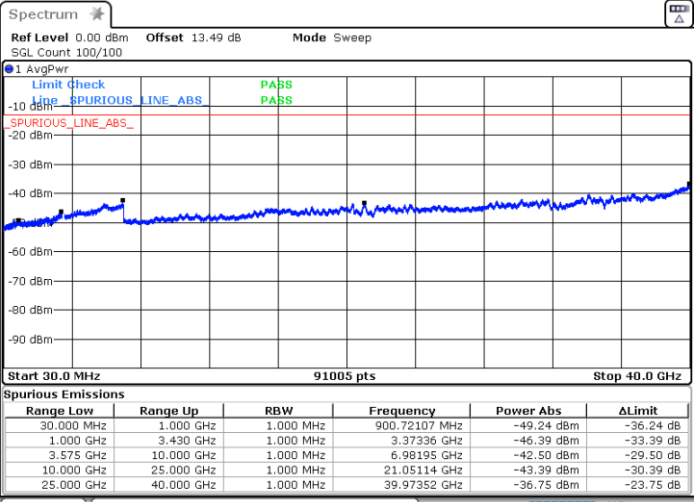
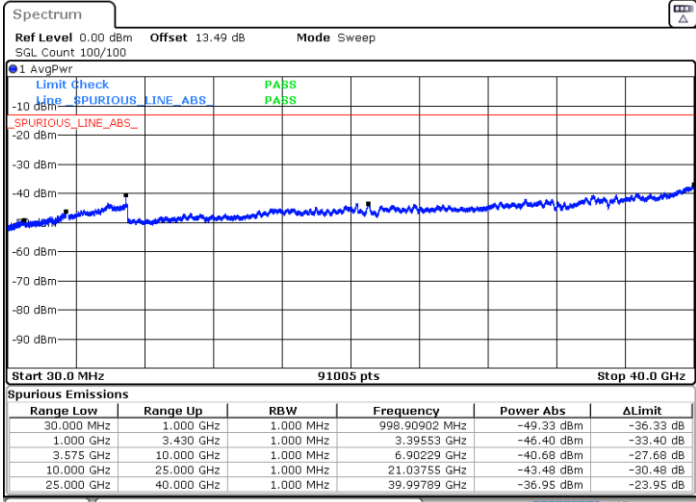




FR1 n78 / 20MHz / DFT-S OFDM /QPSK

Lowest Channel / 1RB1

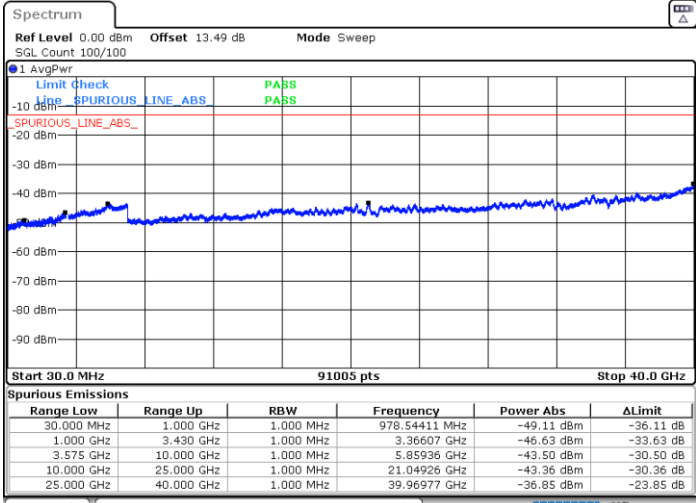
Middle Channel / 1RB1



Date: 9 JUN.2022 08:51:21

Date: 9 JUN.2022 08:54:42

Highest Channel / 1RB1



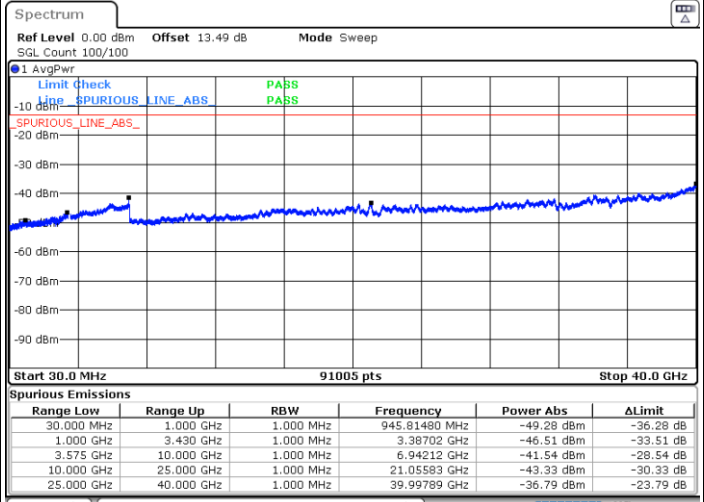
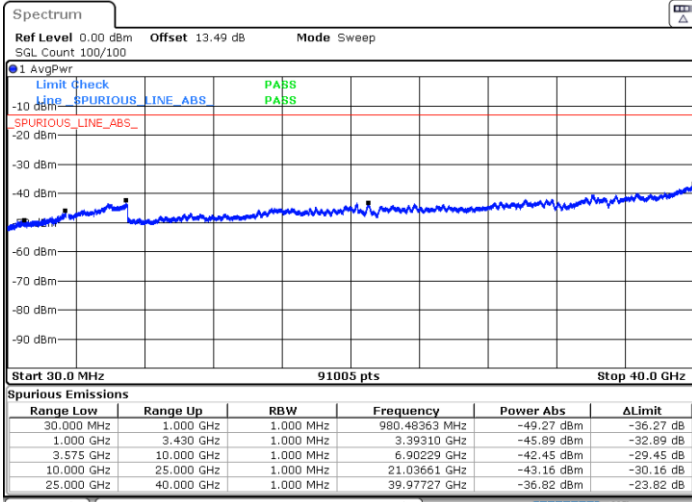
Date: 9 JUN.2022 08:59:06



FR1 n78 /60MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

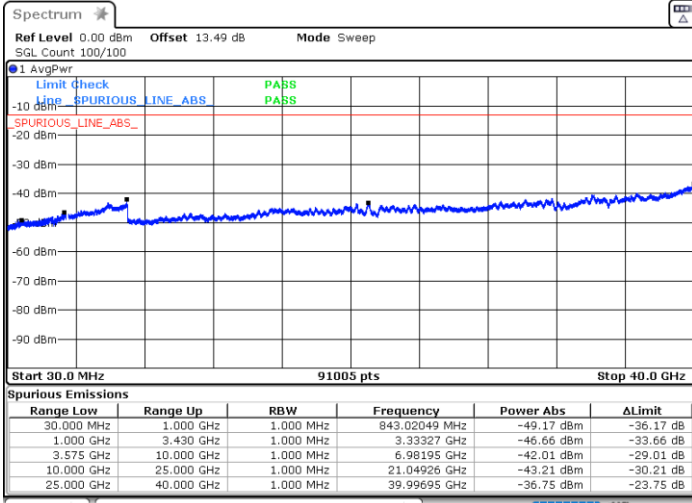
Middle Channel / 1RB1



Date: 9. JUN. 2022 08:38:15

Date: 9. JUN. 2022 08:41:03

Highest Channel / 1RB1



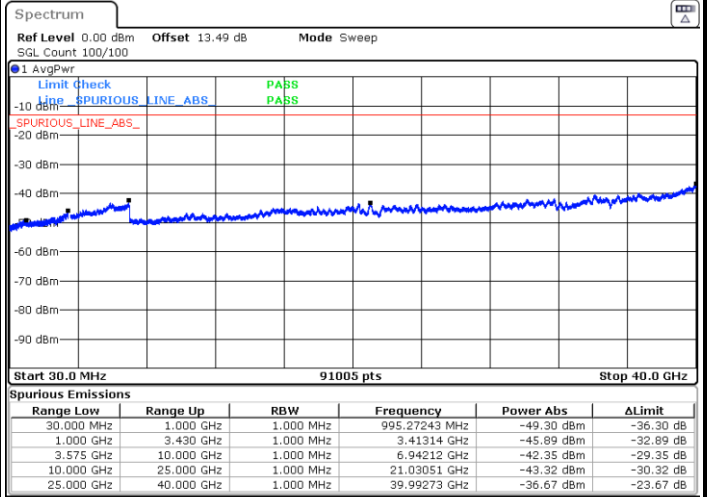
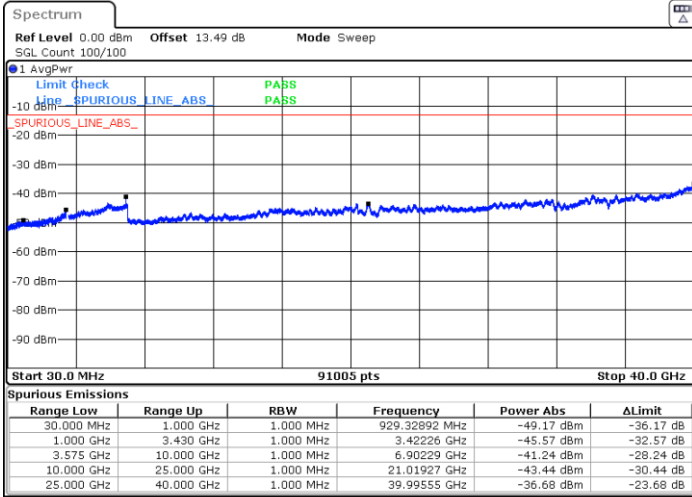
Date: 9. JUN. 2022 08:45:20



FR1 n78 /60MHz / DFT-S OFDM /QPSK

Lowest Channel / 1RB1

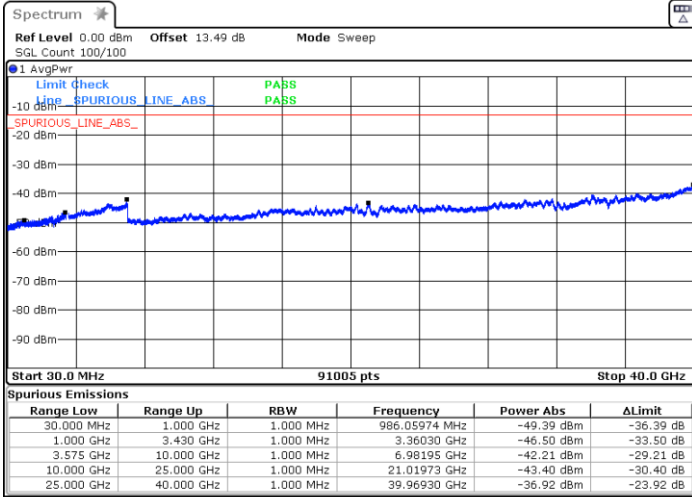
Middle Channel / 1RB1



Date: 9 JUN.2022 08:39:31

Date: 9 JUN.2022 08:43:19

Highest Channel / 1RB1

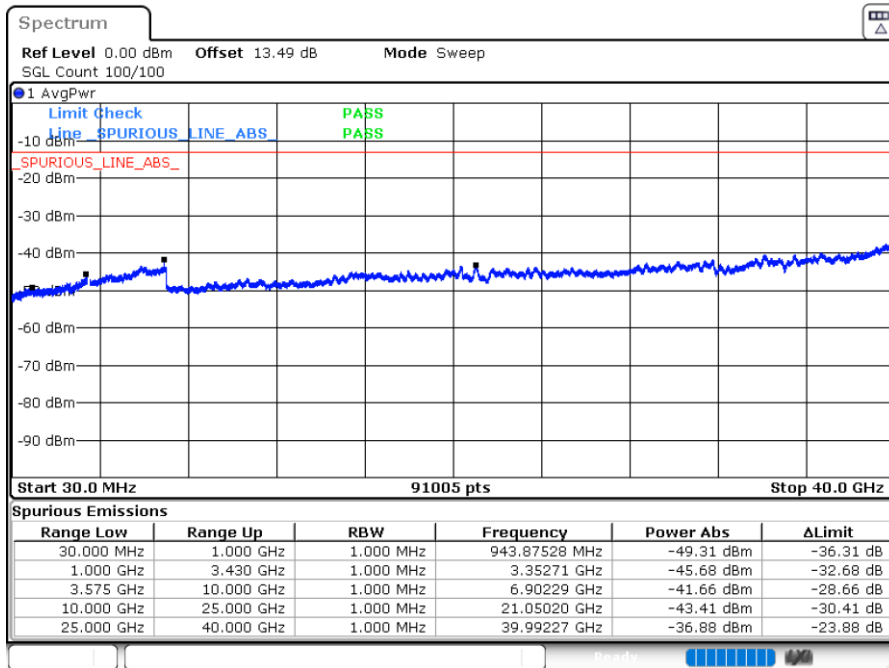


Date: 9 JUN.2022 08:47:22



FR1 n78 / 100MHz / DFT-S OFDM /BPSK

Middle Channel / 1RB1

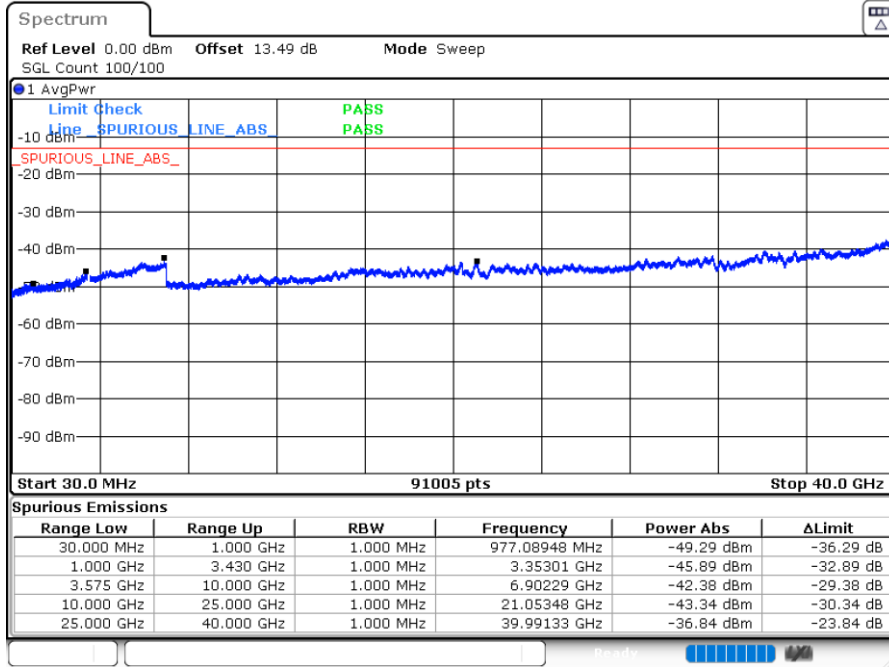


Date: 9 JUN 2022 08:33:06



FR1 n78 / 100MHz / DFT-S OFDM / QPSK

Middle Channel / 1RB1



Date: 9 JUN 2022 08:35:34

Frequency Stability

Test Conditions		FR1 n78 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 100MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0063	PASS
40	Normal Voltage	0.0047	
30	Normal Voltage	0.0039	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0046	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0019	
20	Battery End Point	0.0036	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

n78 SA / NR 100MHz / QPSK / ANT3								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6900	-52.18	-13	-39.18	-62.66	2.76	13.24	H
	10356	-53.22	-13	-40.22	-62.81	3.42	13.01	H
	13818	-60.68	-13	-47.68	-70.29	3.83	13.44	H
	17256	-49.54	-13	-36.54	-58.56	4.41	13.43	H
	6900	-59.59	-13	-46.59	-70.03	2.80	13.24	V
	10368	-61.85	-13	-48.85	-71.40	3.46	13.01	V
	13818	-61.28	-13	-48.28	-70.84	3.88	13.44	V
	17256	-51.12	-13	-38.12	-60.09	4.46	13.43	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_13A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT3(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6900	-51.88	-13	-38.88	-62.36	2.76	13.24	H
	10356	-57.67	-13	-44.67	-67.26	3.42	13.01	H
	13806	-57.21	-13	-44.21	-66.82	3.83	13.44	H
	17256	-49.80	-13	-36.80	-58.82	4.41	13.43	H
	6900	-60.21	-13	-47.21	-70.65	2.80	13.24	V
	10356	-58.20	-13	-45.20	-67.75	3.46	13.01	V
	13806	-58.50	-13	-45.50	-68.06	3.88	13.44	V
	17256	-53.32	-13	-40.32	-62.29	4.46	13.43	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

———— THE END ————